

--29. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence that is at least 90% identical to a polynucleotide sequence selected from the group consisting of:

- (a) a polynucleotide sequence encoding amino acid residues 1 to 133 of SEQ ID NO:2;
- (b) a polynucleotide sequence encoding amino acid residues 2 to 133 of SEQ ID NO:2;
- (c) a polynucleotide sequence encoding the full-length polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 209053;
- (d) a polynucleotide sequence encoding the full-length polypeptide, minus the N-terminal methionine residue, having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 209053; and
- (e) a polynucleotide sequence complementary to any of the nucleic acid sequences in (a), (b), (c), or (d), above.

30. (New) The isolated nucleic acid molecule of claim 29 which comprises polynucleotide sequence (a).

31. (New) The isolated nucleic acid molecule of claim 29 which comprises polynucleotide sequence (b).

32. (New) The isolated nucleic acid molecule of claim 29 which comprises polynucleotide sequence (c).

33. (New) The isolated nucleic acid molecule of claim 29 which comprises polynucleotide sequence (d).

34. (New) The isolated nucleic acid molecule of claim 29 which comprises polynucleotide sequence (e).

35. (New) The isolated nucleic acid molecule of claim 29 wherein the polynucleotide sequence further comprises a heterologous polynucleotide sequence.

36. (New) The isolated nucleic acid molecule of claim 35 wherein the heterologous polynucleotide sequence encodes a heterologous polypeptide.

37. (New) The isolated nucleic acid molecule of claim 36 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

38. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 29.

39. (New) The recombinant vector of claim 38 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

40. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 29.

41. (New) The recombinant host cell of claim 40 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

42. (New) A method for producing a protein, comprising:
(a) culturing a host cell under conditions suitable to produce a polypeptide encoded by the nucleic acid molecule of claim 29; and
(b) recovering the protein from the cell culture.

43. (New) A composition comprising the polynucleotide of claim 29 and a pharmaceutically acceptable carrier.

44. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of:

- a' cont
- NO:2;
- ID NO:2;
- NO:2;
- NO:2;
- NO:2;
- NO:2;
- NO:2;
- NO:2;
- (a) a polynucleotide sequence encoding amino acid residues 65 to 70 of SEQ ID
 - (b) a polynucleotide sequence encoding amino acid residues 118 to 124 of SEQ
 - (c) a polynucleotide sequence encoding amino acid residues 1 to 20 of SEQ ID
 - (d) a polynucleotide sequence encoding amino acid residues 1 to 66 of SEQ ID
 - (e) a polynucleotide sequence encoding amino acid residues 5 to 108 of SEQ ID
 - (f) a polynucleotide sequence encoding amino acid residues 5 to 128 of SEQ ID
 - (g) a polynucleotide sequence encoding amino acid residues 21 to 40 of SEQ ID

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- a1 Cont.
- (h) a polynucleotide sequence encoding amino acid residues 40 to 108 of SEQ ID NO:2;
 - (i) a polynucleotide sequence encoding amino acid residues 41 to 60 of SEQ ID NO:2;
 - (j) a polynucleotide sequence encoding amino acid residues 47 to 108 of SEQ ID NO:2;
 - (k) a polynucleotide sequence encoding amino acid residues 61 to 80 of SEQ ID NO:2;
 - (l) a polynucleotide sequence encoding amino acid residues 65 to 108 of SEQ ID NO:2;
 - (m) a polynucleotide sequence encoding amino acid residues 65 to 128 of SEQ ID NO:2;
 - (n) a polynucleotide sequence encoding amino acid residues 81 to 100 of SEQ ID NO:2;
 - (o) a polynucleotide sequence encoding amino acid residues 88 to 108 of SEQ ID NO:2;
 - (p) a polynucleotide sequence encoding amino acid residues 88 to 128 of SEQ ID NO:2;
 - (q) a polynucleotide sequence encoding amino acid residues 108 to 120 of SEQ ID NO:2;
 - (r) a polynucleotide sequence encoding amino acid residues 114 to 128 of SEQ ID NO:2;
 - (s) a polynucleotide sequence encoding amino acid residues 101 to 133 of SEQ ID NO:2;
 - (t) a polynucleotide sequence encoding amino acid residues 47 to 128 of SEQ ID NO:2; and
 - (u) a polynucleotide sequence complementary to any of the nucleic acid sequences in (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k), (l), (m), (n), (o), (p), (q), (r), (s) or (t) above.

45. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (a).

46. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (b).

47. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (c).

48. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (d).

49. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (e).

50. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (f).

51. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (g).

52. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (h).

53. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (i).

54. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (j).

55. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (k).

56. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (l).

57. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (m).

58. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (n).

59. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (o).

60. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (p).

61. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (q).

62. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (r).

63. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (s).

64. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (t).

65. (New) The isolated nucleic acid molecule of claim 44 which comprises polynucleotide sequence (u).

66. (New) The isolated nucleic acid molecule of claim 44 wherein the polynucleotide sequence further comprises a heterologous polynucleotide sequence.

67. (New) The isolated nucleic acid molecule of claim 66 wherein the heterologous polynucleotide sequence encodes a heterologous polypeptide.

68. (New) The isolated nucleic acid molecule of claim 67 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

69. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 44.

70. (New) The recombinant vector of claim 69 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

71. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 44.

72. (New) The recombinant host cell of claim 71 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

M37 73. (New) A method for producing a protein, comprising:
(a) culturing a host cell under conditions suitable to produce a polypeptide encoded by the nucleic acid molecule of claim 44; and
(b) recovering the protein from the cell culture.

See D5 74. (New) A composition comprising the polynucleotide of claim 44 and a pharmaceutically acceptable carrier.

75. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence of at least 30 contiguous nucleotides of nucleotide sequence 1 to 133 of SEQ ID NO:1.

M36 76. (New) The isolated nucleic acid molecule of claim 75 which comprises at least 50 contiguous nucleotides of nucleotide sequence 1 to 133 of SEQ ID NO:1.

77. (New) The isolated nucleic acid molecule of claim 75 wherein the polynucleotide sequence further comprises a heterologous polynucleotide sequence.

78. (New) The isolated nucleic acid molecule of claim 75 wherein the heterologous polynucleotide sequence encodes a heterologous polypeptide.

ai M37 79. (New) The isolated nucleic acid molecule of claim 78 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

ai cont. 80. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 75.

81. (New) The recombinant vector of claim 80 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

82. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 75.

M310 83. (New) The recombinant host cell of claim 82 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

84. (New) A method for producing a protein, comprising:
(a) culturing a host cell under conditions suitable to produce a polypeptide

encoded by the nucleic acid molecule of claim 75; and

(b) recovering the protein from the cell culture.

85. (New) A composition comprising the polynucleotide of claim 75 and a pharmaceutically acceptable carrier.

86. (New) An isolated nucleic acid molecule of claim 29 wherein said polynucleotide sequence is at least 95% identical to a polynucleotide sequence selected from the group consisting of

- Handwritten: p1130*
- (a) a polynucleotide sequence encoding amino acid residues 1 to 133 of SEQ ID NO:2;
 - (b) a polynucleotide sequence encoding amino acid residues 2 to 133 of SEQ ID NO:2;
 - (c) a polynucleotide sequence encoding the full-length polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 209053;
 - (d) a polynucleotide sequence encoding the full-length polypeptide, minus the N-terminal methionine residue, having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 209053; and
 - (e) a polynucleotide sequence complementary to any of the nucleic acid sequences in (a), (b), (c), or (d), above.

87. (New) The isolated nucleic acid of claim 86 wherein the polynucleotide sequence further comprises a heterologous polynucleotide sequence.

88. (New) The isolated nucleic acid of claim 87 wherein the heterologous polynucleotide sequence encodes a heterologous polypeptide.

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89. (New) The isolated nucleic acid molecule of claim 88 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

90. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 86.

91. (New) The recombinant vector of claim 90 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

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92. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 86.

93. (New) The recombinant host cell of claim 92 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

94. (New) A method for producing a polypeptide, comprising:
- (a) culturing a host cell under conditions suitable to produce a polypeptide encoded by the nucleic acid of claim 86; and
 - (b) recovering the polypeptide from the cell culture.

95. (New) A composition comprising the nucleic acid of claim 86 and a pharmaceutically acceptable.

96. An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence at least 90% identical to a sequence selected from the group consisting of:
- (a) a polynucleotide which is a variant of SEQ ID NO:1;
 - (b) a polynucleotide which is an allelic variant of SEQ ID NO:1;
 - (c) a polynucleotide which encodes a species homologue of the SEQ ID NO:2;
 - (d) a polynucleotide capable of hybridizing under stringent conditions to any one of the polynucleotides specified in (a)-(c), wherein said polynucleotide does not hybridize under stringent conditions to a nucleic acid molecule having a nucleotide sequence of only A residues or of only T residues; and
 - (e) a nucleotide sequence complementary to any of the nucleotide sequences in (a), (b), (c), or (d) above.

97. (New) The isolated nucleic acid of claim 96 wherein the polynucleotide sequence further comprises a heterologous polynucleotide sequence.

98. (New) The isolated nucleic acid of claim 97 wherein the heterologous polynucleotide sequence encodes a heterologous polypeptide.

99. (New) The isolated nucleic acid molecule of claim 98 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

100. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 96.

101. (New) The recombinant vector of claim 100 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

102. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 96.